

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/074827 A1

(51) International Patent Classification⁷: **A61B 17/82**,
17/84

(74) Agent: **KRIJGSMAN, Willem**; DSM Intellectual Prop-
erty, P.O. Box 9, NL-6160 MA Geleen (NL).

(21) International Application Number:
PCT/EP2005/000936

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(22) International Filing Date: 27 January 2005 (27.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04075277.6 30 January 2004 (30.01.2004) EP

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **DSM IP
ASSETS B.V.** [NL/NL]; Het Overloon 1, NL-6411 TE
Heerlen (NL).

(72) Inventors; and

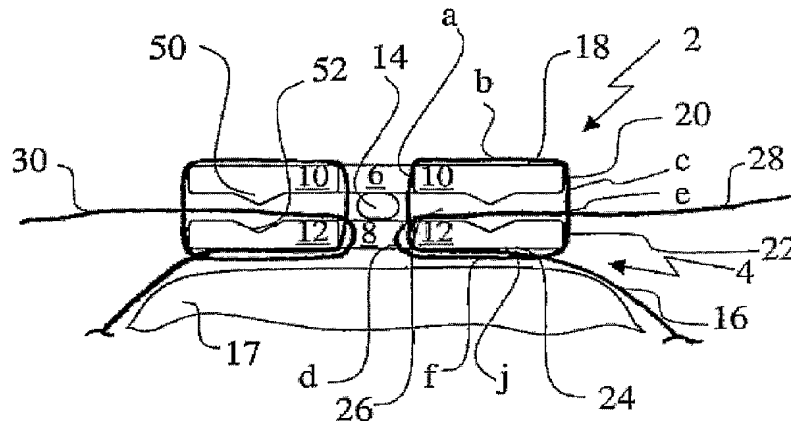
(75) Inventors/Applicants (*for US only*): **MARISSSEN, Reolof**
[NL/NL]; Koningstraat 55, NL-6121 HS Born (NL). **WET-
ZELS, Karel, Jozef** [NL/NL]; Veldkuilstraat 20, NL-6462
BD Kerkrade (NL).

Published:

— with international search report

[Continued on next page]

(54) Title: **FIXING DEVICE FOR CLAMPING THE ENDS OF A SURGICAL CABLE USED FOR FIXING BONE PARTS**



(57) **Abstract:** Fixing device comprising (I) a surgical cable (16) having a first and a second end and (II) at least a first (2) and a second (4) fixing plate having a first (6) resp. second (8) central hole and a first (10) resp. second (12) ring surrounding said first resp. second hole, the circumference (20) of each fixing plate forming an outer edge of its ring and an inner edge of its ring being adjacent to the hole it surrounds, the first fixing plate being in a stacked position on top of the second plate leaving a gap (26) between the plates and the holes at least partly overlapping each other, wherein in the ring of one of the fixing plates in its surface facing the other fixing plate a continuous groove (50) is present running between the outer edge and the inner edge of said ring and in the ring of the other fixing plate, in its surface facing the one of the fixing plates a ridge (52) is present matching with said groove, and wherein the cable ends follow a continuous trajectory running around and between the plates and through the holes in such way that by drawing the cable ends the cable is tensioned around the bone parts and fixate these.

WO 2005/074827 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.